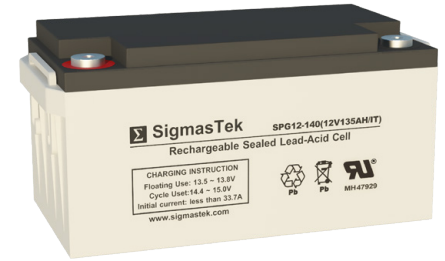


### Specifications

Nominal Voltage	12V	
Nominal Capacity (20HR)	135AH	
Dimension	Length	483mm (19.02 inches)
	Width	170mm (6.69 inches)
	Height	238.5mm (9.39 inches)
	Total Height (with Terminal)	238.5mm (9.39 inches)
	Approximate Weight	44.2 kg (97.5 lbs)
Battery Type	Valve Regulated Lead-Acid Battery, Gel Design	
Terminal Type	IT	
Rated Capacity	135.0AH	(20hr, 1.80V/cell, 25°C/77°F)
	125.6AH	(10hr, 1.75V/cell, 25°C/77°F)
	108.0AH	(5hr, 1.75V/cell, 25°C/77°F)
	93.90AH	(3hr, 1.75V/cell, 25°C/77°F)
	74.30AH	(1hr, 1.67V/cell, 25°C/77°F)
Max. Discharge Current	1260A	
Internal Resistance	4.2mΩ	
Operating Temp. Range	Discharge:	-20°C (-4°F)~55°C (131°F)
	Charge:	0°C (32°F)~40°C (104°F)
	Storage:	-20°C (-4°F)~50°C (122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Container Material	ABS (Option: 94-HB & 94-V0 flame retardant case)	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	SigmasTek SPG series batteries may be stored for up to 9 months at 25°C (77°F) and then a freshening charge is recommended. For higher temperatures the time interval will be shorter.	



### Applications

- Uninterruptible Power Supply (UPS)
- Electric wheelchairs, scooters, bikes
- Electronic apparatus and equipment
- Alarm and security systems
- Emergency first responder equipment
- Emergency lighting
- Medical devices
- Electric carts
- Telecom equipment
- Switchgear
- Solar power systems



### Constant Current Discharge (Amperes Per Battery) at 25°C (77°F)

F.V. (V/cell) \ Discharge Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.60V	178.6	131.2	96.3	78.8	47.1	35.0	27.9	23.4	20.0	17.6	15.7	14.3	13.30	7.14
1.67V	164.8	122.6	89.6	74.3	45.3	33.7	26.9	22.7	19.5	17.2	15.4	14.0	13.00	7.04
1.70V	158.4	118.0	86.6	71.6	44.1	32.6	26.3	22.3	19.2	16.9	15.2	13.9	12.90	6.97
1.75V	147.0	110.2	81.5	67.6	41.6	31.3	25.4	21.6	18.6	16.4	14.7	13.5	12.56	6.89
1.80V	130.8	100.2	75.4	63.2	39.3	29.7	24.3	20.8	17.9	15.8	14.3	13.1	12.30	6.75
1.85V	114.2	89.60	68.4	57.2	36.3	27.7	22.9	19.8	17.1	15.1	13.6	12.5	11.80	6.48

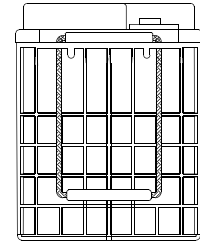
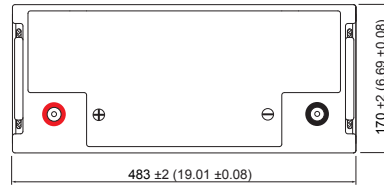
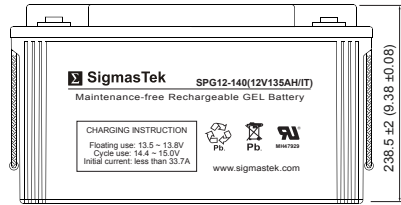
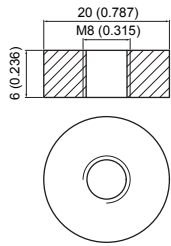
### Constant Power Discharge (Watts Per Cell) at 25°C (77°F)

F.V. (V/cell) \ Discharge Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.60V	322.7	241.2	180.1	149.4	90.0	67.4	54.1	45.6	39.0	34.4	30.89	28.32	26.25	14.2
1.67V	301.2	227.5	168.9	141.4	87.0	65.1	52.3	44.3	38.2	33.8	30.40	27.80	25.80	14.0
1.70V	292.6	221.2	164.2	137.1	85.2	63.4	51.2	43.6	37.7	33.4	30.00	27.50	25.50	13.9
1.75V	274.6	208.4	155.8	130.3	80.8	61.0	49.7	42.4	36.5	32.4	29.20	26.80	25.00	13.7
1.80V	247.1	191.2	145.2	122.4	76.4	57.9	47.6	40.9	35.4	31.3	28.40	26.00	24.50	13.5
1.85V	218.6	172.7	132.6	111.4	71.0	54.2	45.1	39.1	33.8	30.0	27.10	24.80	23.50	12.9

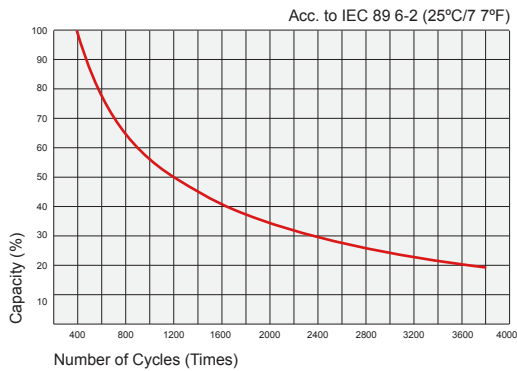
## Dimensions

### IT Terminal

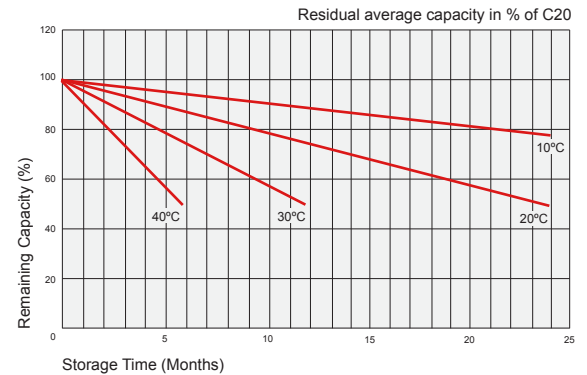
Unit: mm (inches)



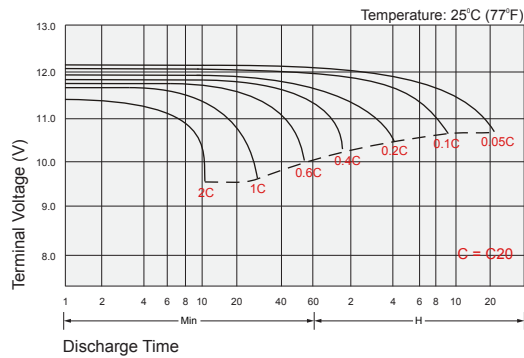
## Cycle Service Life



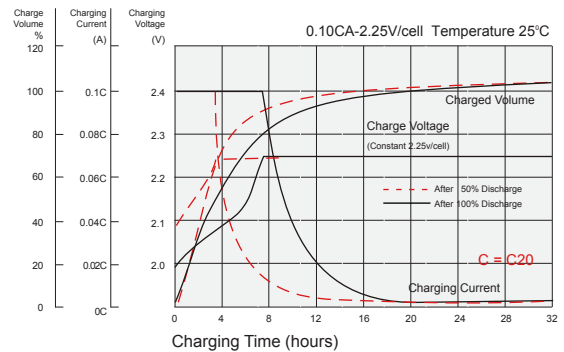
## Self Discharge Characteristics



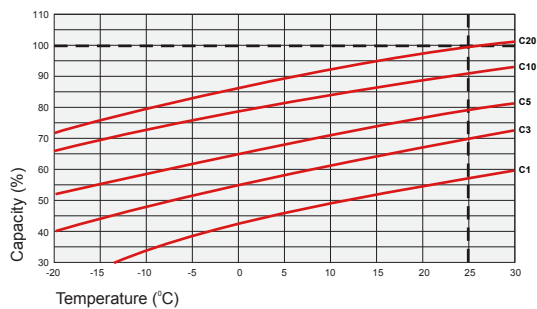
## Discharge Characteristics



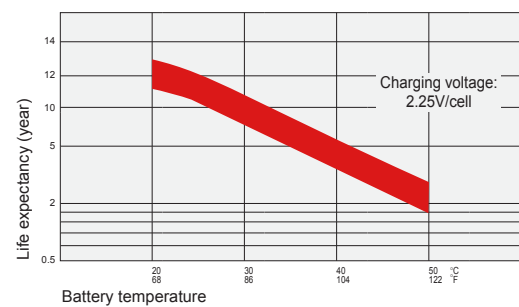
## Float Charging Characteristics



## Temperature Effects in Relation to Battery Capacity



## Temperature Effects on Long Term Float Life



## Contact Information

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